

030304

17439 U.S. PTO

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UTILITY  
PATENT APPLICATION  
TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

|                        |  |
|------------------------|--|
| Attorney Docket No.    | DOC 0084 PA/DC10670/GC1025                                 |
| First Inventor         | Kurt Friedrich Brandstadt                                  |
| Title                  | METHODS FOR FORMING STRUCTURALLY DEFINED ORGANIC MOLECULES |
| Express Mail Label No. | EL 961515959 US  |

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10/791951

030304

## APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

## ADDRESS TO:

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria VA 22313-1450

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original and a duplicate for fee processing)
2. ☐ Applicant claims small entity status.  
See 37 CFR 1.27.
3. ☒ Specification [Total Pages 47]  
(preferred arrangement set forth below)
  - Descriptive title of the invention
  - Cross Reference to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference to sequence listing, a table, or a computer program listing appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
4. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets 25]
5. Oath or Declaration UNSIGNED [Total Sheets 3]
  - a. ☐ Newly executed (original or copy)
  - b. ☐ Copy from a prior application (37 CFR 1.63(d))  
(for continuation/divisional with Box 18 completed)
  - i. ☐ **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s)  
name in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
6. ☒ Application Data Sheet. See 37 CFR 1.76

7. ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
  - a. ☐ Computer Readable Form (CRF)
  - b. Specification Sequence Listing on:
    - i. ☐ CD-ROM or CD-R (2 copies); or
    - ii. ☐ Paper
  - c. ☐ Statements verifying identity of above copies

## ACCOMPANYING APPLICATION PARTS

9. ☐ Assignment Papers (cover sheet & document(s))
10. ☐ 37 CFR 3.73(b) Statement [Power of Attorney] (when there is an assignee)
11. ☐ English Translation Document (if applicable)
12. ☐ Information Disclosure [Copies of IDS Citations] Statement (IDS)/PTO-1449
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s)  
(if foreign priority is claimed)
16. ☐ Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
17. ☒ Other: Check \$1072.00 Filing Fee

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: .....

Prior application information:

Examiner

Art Unit:

For CONTINUATION OF DIVISIONAL APPS only; The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

## 19. CORRESPONDENCE ADDRESS

☒ Customer Number: 23368 OR ☐ Correspondence address below

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Address

City

State

Zip Code

Country

Telephone

Fax

Name (Print/Type)

Timothy W. Hagan

Registration No. (Attorney/Agent)

29,001

Signature

Date

03/03/2004

This collection of information is required by 37 CFR 1.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

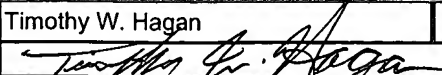
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| <b>FEE TRANSMITTAL</b><br><b>for FY 2004</b><br><i>Effective 10/01/2003. Patent fees are subject to annual revision.</i> |  | <b>Complete if Known</b>                          |  |
| <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27   |  | Application Number                                |  |
|  |  | Filing Date<br>March 3, 2004                      |  |
|  |  | First Named Inventor<br>Kurt Friedrich Brandstadt |  |
|  |  | Examiner Name                                     |  |
|  |  | Art Unit  |  |
| TOTAL AMOUNT OF PAYMENT (\$)   |  | 1072.00   |  |
|  |  | Attorney Docket No. DOC 0084 PA/DC10670/GC1025    |  |

| METHOD OF PAYMENT (check all that apply)   | FEE CALCULATION (continued)   |  |              |  |                    |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                     |      |        |      |        |   |   |              |     |         |    |  |    |      |     |                    |     |   |   |      |     |      |     |  |  |      |       |      |     |   |     |              |       |              |       |  |          |          |          |          |          |                  |    |      |     |                        |     |  |    |      |     |                                   |     |                          |     |      |       |                                       |       |   |    |      |     |  |    |                                  |    |      |       |  |     |                                    |  |      |       |      |                    |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
|--|---|--|--------------|--|--------------------|-----------------|----------|----------|----------|----------|----------|------|------|------|--------------------|-------------------------------------|------|------|------|------|-------------------|--|------|------|------|------|------------------|---------------------------|------|------|-------|------|--------------------|--|------|------|------|------|------------------------|--|---------------------|------|--------|------|--------|---|---|--------------|-----|---------|----|--|----|------|-----|--------------------|-----|---|---|------|-----|------|-----|--|--|------|-------|------|-----|---|-----|--------------|-------|--------------|-------|--|----------|----------|----------|----------|----------|------------------|----|------|-----|------------------------|-----|--|----|------|-----|-----------------------------------|-----|--------------------------|-----|------|-------|---------------------------------------|-------|---|----|------|-----|--|----|----------------------------------|----|------|-------|--|-----|------------------------------------|--|------|-------|------|--------------------|--------------------------------|--|------|-----|------|-----|------------------|--|------|-----|------|-----|-----------------|--|------|-----|------|-----|-------------------------------|--|------|----|------|----|-------------------------------------|--|------|-----|------|-----|---|--|------|----|------|----|--|--|------|-----|------|-----|---|--|------|-----|------|-----|--|--|------|-----|------|-----|---|--|------|-----|------|-----|---|--|
| <input checked="" type="checkbox"/> Check <input type="checkbox"/> Credit card <input type="checkbox"/> Money Order <input type="checkbox"/> Other <input type="checkbox"/> None<br><input type="checkbox"/> Deposit Account:<br>Deposit Account Number _____<br>Deposit Account Name _____<br>The Director is authorized to: (check all that apply)<br><input type="checkbox"/> Charge fee(s) indicated below <input type="checkbox"/> Credit any overpayments<br><input type="checkbox"/> Charge any additional fee(s) or any underpayment of fee(s)<br><input type="checkbox"/> Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.   | <b>3. ADDITIONAL FEES</b><br><table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">Large Entity</th> <th colspan="2">Small Entity</th> <th rowspan="2">Fee Description</th> <th rowspan="2">Fee Paid</th> </tr> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> </tr> </thead> <tbody> <tr><td>1051</td><td>130</td><td>2051</td><td>65</td><td>Surcharge - late filing fee or oath</td><td></td></tr> <tr><td>1052</td><td>50</td><td>2052</td><td>25</td><td>Surcharge - late provisional filing fee or cover sheet</td><td></td></tr> <tr><td>1053</td><td>130</td><td>1053</td><td>130</td><td>Non-English specification</td><td></td></tr> <tr><td>1812</td><td>2,520</td><td>1812</td><td>2,520</td><td>For filing a request for <i>ex parte</i> reexamination</td><td></td></tr> <tr><td>1804</td><td>920*</td><td>1804</td><td>920*</td><td>Requesting publication of SIR prior to Examiner action</td><td></td></tr> <tr><td>1805</td><td>1,840*</td><td>1805</td><td>1,840*</td><td>Requesting publication of SIR after Examiner action</td><td></td></tr> <tr><td>1251</td><td>110</td><td>2251</td><td>55</td><td>Extension for reply within first month</td><td></td></tr> <tr><td>1252</td><td>420</td><td>2252</td><td>210</td><td>Extension for reply within second month</td><td></td></tr> <tr><td>1253</td><td>950</td><td>2253</td><td>475</td><td>Extension for reply within third month</td><td></td></tr> <tr><td>1254</td><td>1,480</td><td>2254</td><td>740</td><td>Extension for reply within fourth month</td><td></td></tr> <tr><td>1255</td><td>2,010</td><td>2255</td><td>1,005</td><td>Extension for reply within fifth month</td><td></td></tr> <tr><td>1401</td><td>330</td><td>2401</td><td>165</td><td>Notice of Appeal</td><td></td></tr> <tr><td>1402</td><td>330</td><td>2402</td><td>165</td><td>Filing a brief in support of an appeal</td><td></td></tr> <tr><td>1403</td><td>290</td><td>2403</td><td>145</td><td>Request for oral hearing</td><td></td></tr> <tr><td>1451</td><td>1,510</td><td>1451</td><td>1,510</td><td>Petition to institute a public use proceeding</td><td></td></tr> <tr><td>1452</td><td>110</td><td>2452</td><td>55</td><td>Petition to revive - unavoidable</td><td></td></tr> <tr><td>1453</td><td>1,330</td><td>2453</td><td>665</td><td>Petition to revive - unintentional</td><td></td></tr> <tr><td>1501</td><td>1,330</td><td>2501</td><td>665</td><td>Utility issue fee (or reissue)</td><td></td></tr> <tr><td>1502</td><td>480</td><td>2502</td><td>240</td><td>Design issue fee</td><td></td></tr> <tr><td>1503</td><td>640</td><td>2503</td><td>320</td><td>Plant issue fee</td><td></td></tr> <tr><td>1460</td><td>130</td><td>1460</td><td>130</td><td>Petitions to the Commissioner</td><td></td></tr> <tr><td>1807</td><td>50</td><td>1807</td><td>50</td><td>Processing fee under 37 CFR 1.17(q)</td><td></td></tr> <tr><td>1806</td><td>180</td><td>1806</td><td>180</td><td>Submission of Information Disclosure Stmt</td><td></td></tr> <tr><td>8021</td><td>40</td><td>8021</td><td>40</td><td>Recording each patent assignment per property (times number of properties)</td><td></td></tr> <tr><td>1809</td><td>770</td><td>2809</td><td>385</td><td>Filing a submission after final rejection (37 CFR 1.129(a))</td><td></td></tr> <tr><td>1810</td><td>770</td><td>2810</td><td>385</td><td>For each additional invention to be examined (37 CFR 1.129(b))</td><td></td></tr> <tr><td>1801</td><td>770</td><td>2801</td><td>385</td><td>Request for Continued Examination (RCE)</td><td></td></tr> <tr><td>1802</td><td>900</td><td>1802</td><td>900</td><td>Request for expedited examination of a design application</td><td></td></tr> </tbody> </table> | Large Entity   |              | Small Entity   |                    | Fee Description | Fee Paid | Fee Code | Fee (\$) | Fee Code | Fee (\$) | 1051 | 130  | 2051 | 65                 | Surcharge - late filing fee or oath |      | 1052 | 50   | 2052 | 25                | Surcharge - late provisional filing fee or cover sheet |      | 1053 | 130  | 1053 | 130              | Non-English specification |      | 1812 | 2,520 | 1812 | 2,520              | For filing a request for <i>ex parte</i> reexamination |      | 1804 | 920* | 1804 | 920*                   | Requesting publication of SIR prior to Examiner action |                     | 1805 | 1,840* | 1805 | 1,840* | Requesting publication of SIR after Examiner action |   | 1251         | 110 | 2251    | 55 | Extension for reply within first month |    | 1252 | 420 | 2252               | 210 | Extension for reply within second month |   | 1253 | 950 | 2253 | 475 | Extension for reply within third month |  | 1254 | 1,480 | 2254 | 740 | Extension for reply within fourth month |     | 1255         | 2,010 | 2255         | 1,005 | Extension for reply within fifth month |          | 1401     | 330      | 2401     | 165      | Notice of Appeal |    | 1402 | 330 | 2402                   | 165 | Filing a brief in support of an appeal |    | 1403 | 290 | 2403                              | 145 | Request for oral hearing |     | 1451 | 1,510 | 1451                                  | 1,510 | Petition to institute a public use proceeding |    | 1452 | 110 | 2452   | 55 | Petition to revive - unavoidable |    | 1453 | 1,330 | 2453   | 665 | Petition to revive - unintentional |  | 1501 | 1,330 | 2501 | 665                | Utility issue fee (or reissue) |  | 1502 | 480 | 2502 | 240 | Design issue fee |  | 1503 | 640 | 2503 | 320 | Plant issue fee |  | 1460 | 130 | 1460 | 130 | Petitions to the Commissioner |  | 1807 | 50 | 1807 | 50 | Processing fee under 37 CFR 1.17(q) |  | 1806 | 180 | 1806 | 180 | Submission of Information Disclosure Stmt |  | 8021 | 40 | 8021 | 40 | Recording each patent assignment per property (times number of properties) |  | 1809 | 770 | 2809 | 385 | Filing a submission after final rejection (37 CFR 1.129(a)) |  | 1810 | 770 | 2810 | 385 | For each additional invention to be examined (37 CFR 1.129(b)) |  | 1801 | 770 | 2801 | 385 | Request for Continued Examination (RCE) |  | 1802 | 900 | 1802 | 900 | Request for expedited examination of a design application |  |
| Large Entity   |   | Small Entity   |              | Fee Description  | Fee Paid           |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                     |      |        |      |        |   |   |              |     |         |    |  |    |      |     |                    |     |   |   |      |     |      |     |  |  |      |       |      |     |   |     |              |       |              |       |  |          |          |          |          |          |                  |    |      |     |                        |     |  |    |      |     |                                   |     |                          |     |      |       |                                       |       |   |    |      |     |  |    |                                  |    |      |       |  |     |                                    |  |      |       |      |                    |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| Fee Code   | Fee (\$)  | Fee Code   | Fee (\$)     |  |                    |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                     |      |        |      |        |   |   |              |     |         |    |  |    |      |     |                    |     |   |   |      |     |      |     |  |  |      |       |      |     |   |     |              |       |              |       |  |          |          |          |          |          |                  |    |      |     |                        |     |  |    |      |     |                                   |     |                          |     |      |       |                                       |       |   |    |      |     |  |    |                                  |    |      |       |  |     |                                    |  |      |       |      |                    |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1051   | 130   | 2051   | 65           | Surcharge - late filing fee or oath  |                    |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                     |      |        |      |        |   |   |              |     |         |    |  |    |      |     |                    |     |   |   |      |     |      |     |  |  |      |       |      |     |   |     |              |       |              |       |  |          |          |          |          |          |                  |    |      |     |                        |     |  |    |      |     |                                   |     |                          |     |      |       |                                       |       |   |    |      |     |  |    |                                  |    |      |       |  |     |                                    |  |      |       |      |                    |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1052   | 50  | 2052   | 25           | Surcharge - late provisional filing fee or cover sheet                     |                    |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                     |      |        |      |        |   |   |              |     |         |    |  |    |      |     |                    |     |   |   |      |     |      |     |  |  |      |       |      |     |   |     |              |       |              |       |  |          |          |          |          |          |                  |    |      |     |                        |     |  |    |      |     |                                   |     |                          |     |      |       |                                       |       |   |    |      |     |  |    |                                  |    |      |       |  |     |                                    |  |      |       |      |                    |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1053   | 130   | 1053   | 130          | Non-English specification  |                    |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                     |      |        |      |        |   |   |              |     |         |    |  |    |      |     |                    |     |   |   |      |     |      |     |  |  |      |       |      |     |   |     |              |       |              |       |  |          |          |          |          |          |                  |    |      |     |                        |     |  |    |      |     |                                   |     |                          |     |      |       |                                       |       |   |    |      |     |  |    |                                  |    |      |       |  |     |                                    |  |      |       |      |                    |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1812   | 2,520   | 1812   | 2,520        | For filing a request for <i>ex parte</i> reexamination                     |                    |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                     |      |        |      |        |   |   |              |     |         |    |  |    |      |     |                    |     |   |   |      |     |      |     |  |  |      |       |      |     |   |     |              |       |              |       |  |          |          |          |          |          |                  |    |      |     |                        |     |  |    |      |     |                                   |     |                          |     |      |       |                                       |       |   |    |      |     |  |    |                                  |    |      |       |  |     |                                    |  |      |       |      |                    |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1804   | 920*  | 1804   | 920*         | Requesting publication of SIR prior to Examiner action                     |                    |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                     |      |        |      |        |   |   |              |     |         |    |  |    |      |     |                    |     |   |   |      |     |      |     |  |  |      |       |      |     |   |     |              |       |              |       |  |          |          |          |          |          |                  |    |      |     |                        |     |  |    |      |     |                                   |     |                          |     |      |       |                                       |       |   |    |      |     |  |    |                                  |    |      |       |  |     |                                    |  |      |       |      |                    |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1805   | 1,840*  | 1805   | 1,840*       | Requesting publication of SIR after Examiner action                        |                    |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                     |      |        |      |        |   |   |              |     |         |    |  |    |      |     |                    |     |   |   |      |     |      |     |  |  |      |       |      |     |   |     |              |       |              |       |  |          |          |          |          |          |                  |    |      |     |                        |     |  |    |      |     |                                   |     |                          |     |      |       |                                       |       |   |    |      |     |  |    |                                  |    |      |       |  |     |                                    |  |      |       |      |                    |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1251   | 110   | 2251   | 55           | Extension for reply within first month                                     |                    |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                     |      |        |      |        |   |   |              |     |         |    |  |    |      |     |                    |     |   |   |      |     |      |     |  |  |      |       |      |     |   |     |              |       |              |       |  |          |          |          |          |          |                  |    |      |     |                        |     |  |    |      |     |                                   |     |                          |     |      |       |                                       |       |   |    |      |     |  |    |                                  |    |      |       |  |     |                                    |  |      |       |      |                    |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1252   | 420   | 2252   | 210          | Extension for reply within second month                                    |                    |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                     |      |        |      |        |   |   |              |     |         |    |  |    |      |     |                    |     |   |   |      |     |      |     |  |  |      |       |      |     |   |     |              |       |              |       |  |          |          |          |          |          |                  |    |      |     |                        |     |  |    |      |     |                                   |     |                          |     |      |       |                                       |       |   |    |      |     |  |    |                                  |    |      |       |  |     |                                    |  |      |       |      |                    |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1253   | 950   | 2253   | 475          | Extension for reply within third month                                     |                    |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                     |      |        |      |        |   |   |              |     |         |    |  |    |      |     |                    |     |   |   |      |     |      |     |  |  |      |       |      |     |   |     |              |       |              |       |  |          |          |          |          |          |                  |    |      |     |                        |     |  |    |      |     |                                   |     |                          |     |      |       |                                       |       |   |    |      |     |  |    |                                  |    |      |       |  |     |                                    |  |      |       |      |                    |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1254   | 1,480   | 2254   | 740          | Extension for reply within fourth month                                    |                    |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                     |      |        |      |        |   |   |              |     |         |    |  |    |      |     |                    |     |   |   |      |     |      |     |  |  |      |       |      |     |   |     |              |       |              |       |  |          |          |          |          |          |                  |    |      |     |                        |     |  |    |      |     |                                   |     |                          |     |      |       |                                       |       |   |    |      |     |  |    |                                  |    |      |       |  |     |                                    |  |      |       |      |                    |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1255   | 2,010   | 2255   | 1,005        | Extension for reply within fifth month                                     |                    |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                     |      |        |      |        |   |   |              |     |         |    |  |    |      |     |                    |     |   |   |      |     |      |     |  |  |      |       |      |     |   |     |              |       |              |       |  |          |          |          |          |          |                  |    |      |     |                        |     |  |    |      |     |                                   |     |                          |     |      |       |                                       |       |   |    |      |     |  |    |                                  |    |      |       |  |     |                                    |  |      |       |      |                    |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1401   | 330   | 2401   | 165          | Notice of Appeal   |                    |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                     |      |        |      |        |   |   |              |     |         |    |  |    |      |     |                    |     |   |   |      |     |      |     |  |  |      |       |      |     |   |     |              |       |              |       |  |          |          |          |          |          |                  |    |      |     |                        |     |  |    |      |     |                                   |     |                          |     |      |       |                                       |       |   |    |      |     |  |    |                                  |    |      |       |  |     |                                    |  |      |       |      |                    |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1402   | 330   | 2402   | 165          | Filing a brief in support of an appeal                                     |                    |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                     |      |        |      |        |   |   |              |     |         |    |  |    |      |     |                    |     |   |   |      |     |      |     |  |  |      |       |      |     |   |     |              |       |              |       |  |          |          |          |          |          |                  |    |      |     |                        |     |  |    |      |     |                                   |     |                          |     |      |       |                                       |       |   |    |      |     |  |    |                                  |    |      |       |  |     |                                    |  |      |       |      |                    |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1403   | 290   | 2403   | 145          | Request for oral hearing   |                    |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                     |      |        |      |        |   |   |              |     |         |    |  |    |      |     |                    |     |   |   |      |     |      |     |  |  |      |       |      |     |   |     |              |       |              |       |  |          |          |          |          |          |                  |    |      |     |                        |     |  |    |      |     |                                   |     |                          |     |      |       |                                       |       |   |    |      |     |  |    |                                  |    |      |       |  |     |                                    |  |      |       |      |                    |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1451   | 1,510   | 1451   | 1,510        | Petition to institute a public use proceeding                              |                    |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                     |      |        |      |        |   |   |              |     |         |    |  |    |      |     |                    |     |   |   |      |     |      |     |  |  |      |       |      |     |   |     |              |       |              |       |  |          |          |          |          |          |                  |    |      |     |                        |     |  |    |      |     |                                   |     |                          |     |      |       |                                       |       |   |    |      |     |  |    |                                  |    |      |       |  |     |                                    |  |      |       |      |                    |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1452   | 110   | 2452   | 55           | Petition to revive - unavoidable   |                    |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                     |      |        |      |        |   |   |              |     |         |    |  |    |      |     |                    |     |   |   |      |     |      |     |  |  |      |       |      |     |   |     |              |       |              |       |  |          |          |          |          |          |                  |    |      |     |                        |     |  |    |      |     |                                   |     |                          |     |      |       |                                       |       |   |    |      |     |  |    |                                  |    |      |       |  |     |                                    |  |      |       |      |                    |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1453   | 1,330   | 2453   | 665          | Petition to revive - unintentional   |                    |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                     |      |        |      |        |   |   |              |     |         |    |  |    |      |     |                    |     |   |   |      |     |      |     |  |  |      |       |      |     |   |     |              |       |              |       |  |          |          |          |          |          |                  |    |      |     |                        |     |  |    |      |     |                                   |     |                          |     |      |       |                                       |       |   |    |      |     |  |    |                                  |    |      |       |  |     |                                    |  |      |       |      |                    |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1501   | 1,330   | 2501   | 665          | Utility issue fee (or reissue)   |                    |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                     |      |        |      |        |   |   |              |     |         |    |  |    |      |     |                    |     |   |   |      |     |      |     |  |  |      |       |      |     |   |     |              |       |              |       |  |          |          |          |          |          |                  |    |      |     |                        |     |  |    |      |     |                                   |     |                          |     |      |       |                                       |       |   |    |      |     |  |    |                                  |    |      |       |  |     |                                    |  |      |       |      |                    |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1502   | 480   | 2502   | 240          | Design issue fee   |                    |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                     |      |        |      |        |   |   |              |     |         |    |  |    |      |     |                    |     |   |   |      |     |      |     |  |  |      |       |      |     |   |     |              |       |              |       |  |          |          |          |          |          |                  |    |      |     |                        |     |  |    |      |     |                                   |     |                          |     |      |       |                                       |       |   |    |      |     |  |    |                                  |    |      |       |  |     |                                    |  |      |       |      |                    |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1503   | 640   | 2503   | 320          | Plant issue fee  |                    |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                     |      |        |      |        |   |   |              |     |         |    |  |    |      |     |                    |     |   |   |      |     |      |     |  |  |      |       |      |     |   |     |              |       |              |       |  |          |          |          |          |          |                  |    |      |     |                        |     |  |    |      |     |                                   |     |                          |     |      |       |                                       |       |   |    |      |     |  |    |                                  |    |      |       |  |     |                                    |  |      |       |      |                    |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1460   | 130   | 1460   | 130          | Petitions to the Commissioner  |                    |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                     |      |        |      |        |   |   |              |     |         |    |  |    |      |     |                    |     |   |   |      |     |      |     |  |  |      |       |      |     |   |     |              |       |              |       |  |          |          |          |          |          |                  |    |      |     |                        |     |  |    |      |     |                                   |     |                          |     |      |       |                                       |       |   |    |      |     |  |    |                                  |    |      |       |  |     |                                    |  |      |       |      |                    |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1807   | 50  | 1807   | 50           | Processing fee under 37 CFR 1.17(q)  |                    |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                     |      |        |      |        |   |   |              |     |         |    |  |    |      |     |                    |     |   |   |      |     |      |     |  |  |      |       |      |     |   |     |              |       |              |       |  |          |          |          |          |          |                  |    |      |     |                        |     |  |    |      |     |                                   |     |                          |     |      |       |                                       |       |   |    |      |     |  |    |                                  |    |      |       |  |     |                                    |  |      |       |      |                    |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1806   | 180   | 1806   | 180          | Submission of Information Disclosure Stmt                                  |                    |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                     |      |        |      |        |   |   |              |     |         |    |  |    |      |     |                    |     |   |   |      |     |      |     |  |  |      |       |      |     |   |     |              |       |              |       |  |          |          |          |          |          |                  |    |      |     |                        |     |  |    |      |     |                                   |     |                          |     |      |       |                                       |       |   |    |      |     |  |    |                                  |    |      |       |  |     |                                    |  |      |       |      |                    |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 8021   | 40  | 8021   | 40           | Recording each patent assignment per property (times number of properties) |                    |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                     |      |        |      |        |   |   |              |     |         |    |  |    |      |     |                    |     |   |   |      |     |      |     |  |  |      |       |      |     |   |     |              |       |              |       |  |          |          |          |          |          |                  |    |      |     |                        |     |  |    |      |     |                                   |     |                          |     |      |       |                                       |       |   |    |      |     |  |    |                                  |    |      |       |  |     |                                    |  |      |       |      |                    |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1809   | 770   | 2809   | 385          | Filing a submission after final rejection (37 CFR 1.129(a))                |                    |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                     |      |        |      |        |   |   |              |     |         |    |  |    |      |     |                    |     |   |   |      |     |      |     |  |  |      |       |      |     |   |     |              |       |              |       |  |          |          |          |          |          |                  |    |      |     |                        |     |  |    |      |     |                                   |     |                          |     |      |       |                                       |       |   |    |      |     |  |    |                                  |    |      |       |  |     |                                    |  |      |       |      |                    |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1810   | 770   | 2810   | 385          | For each additional invention to be examined (37 CFR 1.129(b))             |                    |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                     |      |        |      |        |   |   |              |     |         |    |  |    |      |     |                    |     |   |   |      |     |      |     |  |  |      |       |      |     |   |     |              |       |              |       |  |          |          |          |          |          |                  |    |      |     |                        |     |  |    |      |     |                                   |     |                          |     |      |       |                                       |       |   |    |      |     |  |    |                                  |    |      |       |  |     |                                    |  |      |       |      |                    |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1801   | 770   | 2801   | 385          | Request for Continued Examination (RCE)                                    |                    |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                     |      |        |      |        |   |   |              |     |         |    |  |    |      |     |                    |     |   |   |      |     |      |     |  |  |      |       |      |     |   |     |              |       |              |       |  |          |          |          |          |          |                  |    |      |     |                        |     |  |    |      |     |                                   |     |                          |     |      |       |                                       |       |   |    |      |     |  |    |                                  |    |      |       |  |     |                                    |  |      |       |      |                    |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1802   | 900   | 1802   | 900          | Request for expedited examination of a design application                  |                    |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                     |      |        |      |        |   |   |              |     |         |    |  |    |      |     |                    |     |   |   |      |     |      |     |  |  |      |       |      |     |   |     |              |       |              |       |  |          |          |          |          |          |                  |    |      |     |                        |     |  |    |      |     |                                   |     |                          |     |      |       |                                       |       |   |    |      |     |  |    |                                  |    |      |       |  |     |                                    |  |      |       |      |                    |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| <b>1. BASIC FILING FEE</b><br><table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">Large Entity</th> <th colspan="2">Small Entity</th> <th rowspan="2">Fee Description</th> <th rowspan="2">Fee Paid</th> </tr> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> </tr> </thead> <tbody> <tr><td>1001</td><td>770</td><td>2001</td><td>385</td><td>Utility filing fee</td><td>770</td></tr> <tr><td>1002</td><td>340</td><td>2002</td><td>170</td><td>Design filing fee</td><td></td></tr> <tr><td>1003</td><td>530</td><td>2003</td><td>265</td><td>Plant filing fee</td><td></td></tr> <tr><td>1004</td><td>770</td><td>2004</td><td>385</td><td>Reissue filing fee</td><td></td></tr> <tr><td>1005</td><td>160</td><td>2005</td><td>80</td><td>Provisional filing fee</td><td></td></tr> <tr> <td colspan="4" style="text-align: right;"><b>SUBTOTAL (1)</b></td> <td></td> <td><b>(\$)</b> 770.00</td> </tr> </tbody> </table> | Large Entity  |  | Small Entity |  | Fee Description    | Fee Paid        | Fee Code | Fee (\$) | Fee Code | Fee (\$) | 1001     | 770  | 2001 | 385  | Utility filing fee | 770                                 | 1002 | 340  | 2002 | 170  | Design filing fee |  | 1003 | 530  | 2003 | 265  | Plant filing fee |                           | 1004 | 770  | 2004  | 385  | Reissue filing fee |  | 1005 | 160  | 2005 | 80   | Provisional filing fee |  | <b>SUBTOTAL (1)</b> |      |        |      |        | <b>(\$)</b> 770.00                                  | <b>2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE</b><br><table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Total Claims</td> <td>32</td> <td>-20** =</td> <td>12</td> <td>X</td> <td>18</td> <td>=</td> <td>216</td> </tr> <tr> <td>Independent Claims</td> <td>4</td> <td>-3** =</td> <td>1</td> <td>X</td> <td>86</td> <td>=</td> <td>86</td> </tr> <tr> <td>Multiple Dependent</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>=</td> <td>-0-</td> </tr> </table><br><table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">Large Entity</th> <th colspan="2">Small Entity</th> <th rowspan="2">Fee Description</th> <th rowspan="2">Fee Paid</th> </tr> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> </tr> </thead> <tbody> <tr><td>1202</td><td>18</td><td>2202</td><td>9</td><td>Claims in excess of 20</td><td></td></tr> <tr><td>1201</td><td>86</td><td>2201</td><td>43</td><td>Independent claims in excess of 3</td><td></td></tr> <tr><td>1203</td><td>290</td><td>2203</td><td>145</td><td>Multiple dependent claim, if not paid</td><td></td></tr> <tr><td>1204</td><td>86</td><td>2204</td><td>43</td><td>** Reissue independent claims over original patent</td><td></td></tr> <tr><td>1205</td><td>18</td><td>2205</td><td>9</td><td>** Reissue claims in excess of 20 and over original patent</td><td></td></tr> <tr> <td colspan="4" style="text-align: right;"><b>SUBTOTAL (2)</b></td> <td></td> <td><b>(\$)</b> 302.00</td> </tr> </tbody> </table> | Total Claims | 32  | -20** = | 12 | X                                      | 18 | =    | 216 | Independent Claims | 4   | -3** =                                  | 1 | X    | 86  | =    | 86  | Multiple Dependent                     |  |      |       |      |     | =                                       | -0- | Large Entity |       | Small Entity |       | Fee Description                        | Fee Paid | Fee Code | Fee (\$) | Fee Code | Fee (\$) | 1202             | 18 | 2202 | 9   | Claims in excess of 20 |     | 1201                                   | 86 | 2201 | 43  | Independent claims in excess of 3 |     | 1203                     | 290 | 2203 | 145   | Multiple dependent claim, if not paid |       | 1204  | 86 | 2204 | 43  | ** Reissue independent claims over original patent |    | 1205                             | 18 | 2205 | 9     | ** Reissue claims in excess of 20 and over original patent |     | <b>SUBTOTAL (2)</b>                |  |      |       |      | <b>(\$)</b> 302.00 |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| Large Entity   |   | Small Entity   |              | Fee Description  |                    |                 | Fee Paid |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                     |      |        |      |        |   |   |              |     |         |    |  |    |      |     |                    |     |   |   |      |     |      |     |  |  |      |       |      |     |   |     |              |       |              |       |  |          |          |          |          |          |                  |    |      |     |                        |     |  |    |      |     |                                   |     |                          |     |      |       |                                       |       |   |    |      |     |  |    |                                  |    |      |       |  |     |                                    |  |      |       |      |                    |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| Fee Code   | Fee (\$)  | Fee Code   | Fee (\$)     |  |                    |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                     |      |        |      |        |   |   |              |     |         |    |  |    |      |     |                    |     |   |   |      |     |      |     |  |  |      |       |      |     |   |     |              |       |              |       |  |          |          |          |          |          |                  |    |      |     |                        |     |  |    |      |     |                                   |     |                          |     |      |       |                                       |       |   |    |      |     |  |    |                                  |    |      |       |  |     |                                    |  |      |       |      |                    |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1001   | 770   | 2001   | 385          | Utility filing fee   | 770                |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                     |      |        |      |        |   |   |              |     |         |    |  |    |      |     |                    |     |   |   |      |     |      |     |  |  |      |       |      |     |   |     |              |       |              |       |  |          |          |          |          |          |                  |    |      |     |                        |     |  |    |      |     |                                   |     |                          |     |      |       |                                       |       |   |    |      |     |  |    |                                  |    |      |       |  |     |                                    |  |      |       |      |                    |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1002   | 340   | 2002   | 170          | Design filing fee  |                    |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                     |      |        |      |        |   |   |              |     |         |    |  |    |      |     |                    |     |   |   |      |     |      |     |  |  |      |       |      |     |   |     |              |       |              |       |  |          |          |          |          |          |                  |    |      |     |                        |     |  |    |      |     |                                   |     |                          |     |      |       |                                       |       |   |    |      |     |  |    |                                  |    |      |       |  |     |                                    |  |      |       |      |                    |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1003   | 530   | 2003   | 265          | Plant filing fee   |                    |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                     |      |        |      |        |   |   |              |     |         |    |  |    |      |     |                    |     |   |   |      |     |      |     |  |  |      |       |      |     |   |     |              |       |              |       |  |          |          |          |          |          |                  |    |      |     |                        |     |  |    |      |     |                                   |     |                          |     |      |       |                                       |       |   |    |      |     |  |    |                                  |    |      |       |  |     |                                    |  |      |       |      |                    |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1004   | 770   | 2004   | 385          | Reissue filing fee   |                    |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                     |      |        |      |        |   |   |              |     |         |    |  |    |      |     |                    |     |   |   |      |     |      |     |  |  |      |       |      |     |   |     |              |       |              |       |  |          |          |          |          |          |                  |    |      |     |                        |     |  |    |      |     |                                   |     |                          |     |      |       |                                       |       |   |    |      |     |  |    |                                  |    |      |       |  |     |                                    |  |      |       |      |                    |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1005   | 160   | 2005   | 80           | Provisional filing fee   |                    |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                     |      |        |      |        |   |   |              |     |         |    |  |    |      |     |                    |     |   |   |      |     |      |     |  |  |      |       |      |     |   |     |              |       |              |       |  |          |          |          |          |          |                  |    |      |     |                        |     |  |    |      |     |                                   |     |                          |     |      |       |                                       |       |   |    |      |     |  |    |                                  |    |      |       |  |     |                                    |  |      |       |      |                    |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| <b>SUBTOTAL (1)</b>  |   |  |              |  | <b>(\$)</b> 770.00 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                     |      |        |      |        |   |   |              |     |         |    |  |    |      |     |                    |     |   |   |      |     |      |     |  |  |      |       |      |     |   |     |              |       |              |       |  |          |          |          |          |          |                  |    |      |     |                        |     |  |    |      |     |                                   |     |                          |     |      |       |                                       |       |   |    |      |     |  |    |                                  |    |      |       |  |     |                                    |  |      |       |      |                    |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| Total Claims   | 32  | -20** =  | 12           | X  | 18                 | =               | 216      |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                     |      |        |      |        |   |   |              |     |         |    |  |    |      |     |                    |     |   |   |      |     |      |     |  |  |      |       |      |     |   |     |              |       |              |       |  |          |          |          |          |          |                  |    |      |     |                        |     |  |    |      |     |                                   |     |                          |     |      |       |                                       |       |   |    |      |     |  |    |                                  |    |      |       |  |     |                                    |  |      |       |      |                    |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| Independent Claims   | 4   | -3** =   | 1            | X  | 86                 | =               | 86       |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                     |      |        |      |        |   |   |              |     |         |    |  |    |      |     |                    |     |   |   |      |     |      |     |  |  |      |       |      |     |   |     |              |       |              |       |  |          |          |          |          |          |                  |    |      |     |                        |     |  |    |      |     |                                   |     |                          |     |      |       |                                       |       |   |    |      |     |  |    |                                  |    |      |       |  |     |                                    |  |      |       |      |                    |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| Multiple Dependent   |   |  |              |  |                    | =               | -0-      |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                     |      |        |      |        |   |   |              |     |         |    |  |    |      |     |                    |     |   |   |      |     |      |     |  |  |      |       |      |     |   |     |              |       |              |       |  |          |          |          |          |          |                  |    |      |     |                        |     |  |    |      |     |                                   |     |                          |     |      |       |                                       |       |   |    |      |     |  |    |                                  |    |      |       |  |     |                                    |  |      |       |      |                    |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| Large Entity   |   | Small Entity   |              | Fee Description  | Fee Paid           |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                     |      |        |      |        |   |   |              |     |         |    |  |    |      |     |                    |     |   |   |      |     |      |     |  |  |      |       |      |     |   |     |              |       |              |       |  |          |          |          |          |          |                  |    |      |     |                        |     |  |    |      |     |                                   |     |                          |     |      |       |                                       |       |   |    |      |     |  |    |                                  |    |      |       |  |     |                                    |  |      |       |      |                    |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| Fee Code   | Fee (\$)  | Fee Code   | Fee (\$)     |  |                    |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                     |      |        |      |        |   |   |              |     |         |    |  |    |      |     |                    |     |   |   |      |     |      |     |  |  |      |       |      |     |   |     |              |       |              |       |  |          |          |          |          |          |                  |    |      |     |                        |     |  |    |      |     |                                   |     |                          |     |      |       |                                       |       |   |    |      |     |  |    |                                  |    |      |       |  |     |                                    |  |      |       |      |                    |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1202   | 18  | 2202   | 9            | Claims in excess of 20   |                    |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                     |      |        |      |        |   |   |              |     |         |    |  |    |      |     |                    |     |   |   |      |     |      |     |  |  |      |       |      |     |   |     |              |       |              |       |  |          |          |          |          |          |                  |    |      |     |                        |     |  |    |      |     |                                   |     |                          |     |      |       |                                       |       |   |    |      |     |  |    |                                  |    |      |       |  |     |                                    |  |      |       |      |                    |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1201   | 86  | 2201   | 43           | Independent claims in excess of 3  |                    |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                     |      |        |      |        |   |   |              |     |         |    |  |    |      |     |                    |     |   |   |      |     |      |     |  |  |      |       |      |     |   |     |              |       |              |       |  |          |          |          |          |          |                  |    |      |     |                        |     |  |    |      |     |                                   |     |                          |     |      |       |                                       |       |   |    |      |     |  |    |                                  |    |      |       |  |     |                                    |  |      |       |      |                    |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1203   | 290   | 2203   | 145          | Multiple dependent claim, if not paid                                      |                    |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                     |      |        |      |        |   |   |              |     |         |    |  |    |      |     |                    |     |   |   |      |     |      |     |  |  |      |       |      |     |   |     |              |       |              |       |  |          |          |          |          |          |                  |    |      |     |                        |     |  |    |      |     |                                   |     |                          |     |      |       |                                       |       |   |    |      |     |  |    |                                  |    |      |       |  |     |                                    |  |      |       |      |                    |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1204   | 86  | 2204   | 43           | ** Reissue independent claims over original patent                         |                    |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                     |      |        |      |        |   |   |              |     |         |    |  |    |      |     |                    |     |   |   |      |     |      |     |  |  |      |       |      |     |   |     |              |       |              |       |  |          |          |          |          |          |                  |    |      |     |                        |     |  |    |      |     |                                   |     |                          |     |      |       |                                       |       |   |    |      |     |  |    |                                  |    |      |       |  |     |                                    |  |      |       |      |                    |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| 1205   | 18  | 2205   | 9            | ** Reissue claims in excess of 20 and over original patent                 |                    |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                     |      |        |      |        |   |   |              |     |         |    |  |    |      |     |                    |     |   |   |      |     |      |     |  |  |      |       |      |     |   |     |              |       |              |       |  |          |          |          |          |          |                  |    |      |     |                        |     |  |    |      |     |                                   |     |                          |     |      |       |                                       |       |   |    |      |     |  |    |                                  |    |      |       |  |     |                                    |  |      |       |      |                    |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| <b>SUBTOTAL (2)</b>  |   |  |              |  | <b>(\$)</b> 302.00 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                     |      |        |      |        |   |   |              |     |         |    |  |    |      |     |                    |     |   |   |      |     |      |     |  |  |      |       |      |     |   |     |              |       |              |       |  |          |          |          |          |          |                  |    |      |     |                        |     |  |    |      |     |                                   |     |                          |     |      |       |                                       |       |   |    |      |     |  |    |                                  |    |      |       |  |     |                                    |  |      |       |      |                    |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
| **or number previously paid, if greater; For Reissues, see above   |   | Other fee (specify) _____<br>*Reduced by Basic Filing Fee Paid |              |  |                    |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                     |      |        |      |        |   |   |              |     |         |    |  |    |      |     |                    |     |   |   |      |     |      |     |  |  |      |       |      |     |   |     |              |       |              |       |  |          |          |          |          |          |                  |    |      |     |                        |     |  |    |      |     |                                   |     |                          |     |      |       |                                       |       |   |    |      |     |  |    |                                  |    |      |       |  |     |                                    |  |      |       |      |                    |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |
|  |   | <b>SUBTOTAL (3)</b> (\$)<br>-0-                                |              |  |                    |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                     |      |        |      |        |   |   |              |     |         |    |  |    |      |     |                    |     |   |   |      |     |      |     |  |  |      |       |      |     |   |     |              |       |              |       |  |          |          |          |          |          |                  |    |      |     |                        |     |  |    |      |     |                                   |     |                          |     |      |       |                                       |       |   |    |      |     |  |    |                                  |    |      |       |  |     |                                    |  |      |       |      |                    |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |

|                   |   |                                   |                |
|-------------------|---|-----------------------------------|----------------|
| SUBMITTED BY      |   | (Complete if applicable)          |                |
| Name (Print/Type) | Timothy W. Hagan  | Registration No. (Attorney/Agent) | 29,001         |
| Signature         |  | Telephone                         | (937) 223-2050 |
|                   |   | Date                              | 03/03/2004     |

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of

Applicants : Kurt Friedrich Brandstadt, Thomas Howard Lane, John C. Saam  
and Joseph C. McAuliffe

Title : METHODS FOR FORMING STRUCTURALLY DEFINED ORGANIC  
MOLECULES

Docket No. : DOC 0084 PA/DC10670/GC1025

**MAIL STOP PATENT APPLICATION**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

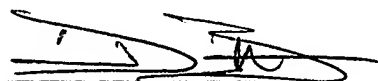
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